

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	49	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-6372805-\$ or US-6379500-\$ or US-4272409-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-6060523-\$ or US-5168928-\$ or US-4901797-\$ or US-4732213-\$ or US-5370478-\$ or US-3965986-\$ or US-5398758-\$ or US-4687373-\$ or US-4102400-\$ or US-6764543-\$ or US-4298392-\$ or US-2630410-\$ or US-5368833-\$ or US-5396749-\$ or US-5836390-\$ or US-4984933-\$ or US-4131542-\$ or US-5795104-\$ or US-3920578-\$ or US-5607552-\$). did. or (US-4973196-\$ or US-4072019-\$ or US-4505751-\$ or US-6660694-\$ or US-5358565-\$ or US-5355954-\$ or US-4900359-\$ or US-4325658-\$ or US-4112032-\$ or US-4642137-\$ or US-5565026-\$ or US-4410405-\$).did. or (WO-3033618-\$ or WO-34412-\$ or EP-530600-\$ or WO-2004018381-\$).did. or (US-6372089-\$ or DE-19856729-\$ or JP-06329903-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/08/02 18:16
S1	23	(US-4973196-\$ or US-5836390-\$ or US-3920578-\$ or US-5368833-\$ or US-2630410-\$ or US-5396749-\$ or US-4272409-\$ or US-3374180-\$ or US-2727008-\$ or US-2892797-\$ or US-6379500-\$ or US-6372805-\$ or US-5607552-\$ or US-4131542-\$ or US-5398758-\$ or US-5370478-\$ or US-6060523-\$ or US-4072019-\$ or US-4732213-\$ or US-3965986-\$). did. or (US-20010004927-\$ or US-20020147240-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/08/05 03:47
S2	9	("2630410" "4102400" "4687373" "5194087" "5368833" "5396749" "5569323" "5836390" "6008275").PN.	USPAT	OR	ON	2004/08/05 03:50
S3	28	S1 or S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/05 03:50

## EAST Search History

S4	24	S3 and (colloid\$4 or sol or gel) same silica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/05 04:16
S5	24	("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.	USPAT	OR	ON	2004/08/05 03:54
S6	1	"6379500".URPN.	USPAT	OR	ON	2004/08/05 03:54
S7	21	("2244325"   "2801938"   "3582502"   "3714064"   "4385961"   "4753710"   "4795531"   "4954220"   "5277764"   "5279807"   "5368833"   "5447604"   "5571494"   "5584966"   "5603805"   "5607552"   "5643414"   "5964693"   "6372089"   "6372806"   "6379500"   "2001/0004927").PN.	USPAT	OR	ON	2004/08/05 03:54
S8	1	"02445103"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/05 04:08
S9	252	((((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/31 13:14
S10	2	(((((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica) and silica near5 sol) and seal\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:44
S11	29	(((((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica) and silica near5 sol	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:46
S12	6	("3586624"   "3705851"   "4519338"   "4565468"   "4696599"   "4768897").PN.	USPAT	OR	ON	2003/01/28 23:46
S13	17	"4973196".URPN.	USPAT	OR	ON	2003/01/28 23:46
S14	23	((("3586624"   "3705851"   "4519338"   "4565468"   "4696599"   "4768897").PN.) or "4973196".URPN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:46

## EAST Search History

S15	3	((("3586624"   "3705851"   "4519338"   "4565468"   "4696599"   "4768897").PN.) or "4973196".URPN.) and silica	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:48
S16	1157	(silica adj sol) and seal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 23:49
S17	1	((silica adj sol) and seal\$4) and s adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 23:56
S18	11	((("2630410") or ("5368833") or ("5396749") or ("5836390")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/28 23:54
S19	11	("2727008"   "2754270"   "2892797"   "3374180"   "3922393"   "4272409"   "4385961"   "4388150"   "4695396"   "4946557"   "5066420").PN.	USPAT	OR	ON	2003/01/28 23:54
S20	46	(silica adj sol) and s adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:43
S21	209	(silica adj sol) and gelling near5 agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:43
S22	984	(405/263).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:42
S23	622	(405/270).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:42
S24	1002	(405/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:43
S25	1067	(405/266).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:43
S26	3446	((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:43

## EAST Search History

S27	9750	silica adj sol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/29 00:12
S28	9	(US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-6379500-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did.	US-PGPUB; USPAT	OR	OFF	2003/01/29 00:13
S29	9	(US-4973196-\$ or US-2630410-\$ or US-5368833-\$ or US-5396749-\$ or US-5836390-\$ or US-3920578-\$ or US-6379500-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did.	US-PGPUB; USPAT	OR	OFF	2003/04/08 13:43
S30	252	((((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/04/08 13:43
S31	49	(silica adj sol) and s adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:44
S32	213	(silica adj sol) and gelling near5 agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:44
S33	30	((silica adj sol) and s adj value ) and gel\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:45
S34	44	((silica adj sol) and s adj value ) and (chloride or nitrate or sulfate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:07
S35	667	(SiO2 or (Silicon adj dioxide) or silica) and S adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 15:08
S36	129	((SiO2 or (Silicon adj dioxide) or silica) and S adj value) and (S adj value) near5 (greater or over or more or higher)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:02
S37	99	((((SiO2 or (Silicon adj dioxide) or silica) and S adj value) and (S adj value) near5 (greater or over or more or higher)) not (((silica adj sol) and s adj value ) and (chloride or nitrate or sulfate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:01

## EAST Search History

S38	29	(colloidal near3 silica) same (S adj value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:03
S39	8	((colloidal near3 silica) same (S adj value) ) not (((SiO2 or (Silicon adj dioxide) or silica) and S adj value) and (S adj value) near5 (greater or over or more or higher))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:03
S40	1490	((colloidal near3 silica) and (chloride or nitrate or sulfate or gell\$3)) and (seal or sealant)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:45
S41	46	((colloidal near3 silica) and (chloride or nitrate or sulfate or gell\$3)) and (seal or sealant)) and (seal or sealant) same (rock or soil or ground or earth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:27
S42	7	"6060523"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:46
S43	7	"5836390"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:47
S44	6	("3603099"   "3638433"   "3865600"   "4072019"   "4543016"   "5403125").PN.	USPAT	OR	ON	2003/04/08 17:46
S45	0	((("3603099"   "3638433"   "3865600"   "4072019"   "4543016"   "5403125").PN.) and SiO2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:48
S46	2	((("3603099"   "3638433"   "3865600"   "4072019"   "4543016"   "5403125").PN.) and silic\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:52
S47	14	(US-4973196-\$ or US-2630410-\$ or US-5368833-\$ or US-5396749-\$ or US-5836390-\$ or US-3920578-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/04/08 20:01

## EAST Search History

S48	11	("2727008"   "2754270"   "2892797"   "3374180"   "3922393"   "4272409"   "4385961"   "4388150"   "4695396"   "4946557"   "5066420").PN.	USPAT	OR	ON	2003/04/08 19:43
S49	475	(516/78,79,82).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/04/08 20:00
S50	18	(US-4973196-\$ or US-4131542-\$ or US-6372805-\$ or US-5396749-\$ or US-3920578-\$ or US-5836390-\$ or US-5368833-\$ or US-2630410-\$ or US-2892797-\$ or US-3374180-\$ or US-4272409-\$ or US-6379500-\$ or US-2727008-\$ or US-6060523-\$ or US-4072019-\$).did. or (US-20010004927-\$ or US-20020147240-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/27 23:01
S51	1	("0530600").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/27 23:02
S52	5	"0530600"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:32
S53	7408	(colloid\$3 with silica) and (silica with dispers\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:33
S54	290	((colloid\$3 with silica) and (silica with dispers\$4)) and Iler	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:33
S55	96	((colloid\$3 with silica) and (silica with dispers\$4)) and Dalton	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:34
S56	30	((((colloid\$3 with silica) and (silica with dispers\$4)) and Iler) and (((colloid\$3 with silica) and (silica with dispers\$4)) and Dalton)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:34

## EAST Search History

S57	20	(((colloid\$3 with silica) and (silica with dispers\$4)) and Iler) and (((colloid\$3 with silica) and (silica with dispers\$4)) and Dalton)) and weight with percent\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:53
S58	21	"4732213"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:56
S59	5	("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.	USPAT	OR	ON	2003/10/27 23:55
S60	16	"4732213".URPN.	USPAT	OR	ON	2003/10/27 23:55
S61	21	((("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.) or "4732213".URPN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:56
S62	18	(((("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.) or "4732213".URPN.) and (silica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:56
S63	9	(((("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.) or "4732213".URPN.) and (silica)) and silica with (sol or dispers\$4 or aggregat\$4 or value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 00:21
S64	20	(US-4973196-\$ or US-4131542-\$ or US-6372805-\$ or US-5396749-\$ or US-3920578-\$ or US-5836390-\$ or US-5368833-\$ or US-2630410-\$ or US-2892797-\$ or US-3374180-\$ or US-4272409-\$ or US-6379500-\$ or US-2727008-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20010004927-\$ or US-20020147240-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 00:19
S65	2	("5370478").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/28 00:21
S66	9	("3318380"   "3375872"   "3722593"   "4615643"   "4637462"   "4705431"   "4732213"   "4790688"   "5002431").PN.	USPAT	OR	ON	2003/10/28 00:20
S67	21	"5002431".URPN.	USPAT	OR	ON	2003/10/28 00:20

## EAST Search History

S68	30	((("3318380"   "3375872"   "3722593"   "4615643"   "4637462"   "4705431"   "4732213"   "4790688"   "5002431").PN.) or "5002431".URPN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 00:21
S69	5	((("3318380"   "3375872"   "3722593"   "4615643"   "4637462"   "4705431"   "4732213"   "4790688"   "5002431").PN.) or "5002431".URPN.) and silica with (sol or dispers\$4 or aggregat\$4 or value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 00:21
S70	20	(US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 22:00
S71	24	("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.	USPAT	OR	ON	2003/10/28 21:34



## EAST Search History

S72	1	((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) and (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 21:58
S73	43	((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 21:58

## EAST Search History

S74	4	((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)) and inject\$4 same (soil or rock or ground or earth)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 22:46
S75	2	("4732213").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/28 22:13
S76	5	("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.	USPAT	OR	ON	2003/10/28 22:00

## EAST Search History

S77	16	(((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)) and specific adj surface adj area	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 22:08
S78	0	(((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)) and (seal\$4 or inject\$4) same (rock)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 22:46
S79	2	("4732213").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/31 14:25

## EAST Search History

S80	2	("6464005").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/31 14:25
S81	11774	silica adj sol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 19:41
S82	173	S81 and seal\$3 with (cavity or earth or porous or fracture or ground or soil)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 20:17
S83	5	"6596250"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 19:57
S84	0	("2003/0200902").URPN.	USPAT	OR	ON	2004/12/10 20:00
S85	5	("3901987"   "4298392"   "4590173"   "5932000"   "6008275").PN. OR ("6764543").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/10 20:00
S86	25	(US-20010004927-\$ or US-20020147240-\$ or US-20030190276-\$ or US-20030161692-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4131542-\$ or US-4272409-\$ or US-4732213-\$ or US-4973196-\$ or US-5368833-\$ or US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5607552-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2004/12/10 20:03
S87	0	S85 and seal\$3 with (cavity or earth or porous or fracture or ground or soil)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 20:03
S88	10	("4311409"   "4318835"   "4325652"   "4755226"   "4988238"   "5228808"   "5285000"   "5624208").PN. OR ("5795104").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/10 20:09
S89	1300	silicate and silica and sol and (inject\$3) and (leak\$3 or porous or porosity or seal\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 20:19

## EAST Search History

S90	472	silicate and silica adj sol and (inject\$3) and (leak\$3 or porous or porosity or seal\$4) and S89	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 20:21
S91	425	S90 not (cancer or gene or nucleic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 20:28
S92	48176	(405/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/11 21:52
S93	36790	(166/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/10 20:28
S94	128241	(52/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/10 20:29
S95	11	S91 and (S92 or S93 or S94)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/10 20:29
S96	32	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4732213-\$ or US-4973196-\$ or US-4984933-\$ or US-5368833-\$ or US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5607552-\$ or US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$).did. or (EP-530600-\$ or WO-34412-\$).did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$). did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/10 20:35

## EAST Search History

S97	32	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4732213-\$ or US-4973196-\$ or US-4984933-\$ or US-5368833-\$ or US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5607552-\$ or US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$).did. or (EP-530600-\$ or WO-34412-\$).did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/11 21:48
S98	1034	(sodium or alkalai or metal) near2 silicate same silica near2 (sol or colloidal) and (gelling or gel) and (leak or leaking or porous or fracture or void or cavity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:52
S99	1070	(sodium or alkali or metal) near2 silicate same silica near2 (sol or colloidal) and (gelling or gel) and (leak or leaking or porous or fracture or void or cavity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:51
S10 0	1070	S98 or S99	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:52
S10 1	1300	silicate and silica and sol and (inject\$3) and (leak\$3 or porous or porosity or seal\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:52
S10 2	472	silicate and silica adj sol and (inject\$3) and (leak\$3 or porous or porosity or seal\$4) and S101	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:52
S10 3	425	S102 not (cancer or gene or nucleic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:52
S10 4	48176	(405/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/11 21:52

## EAST Search History

S10 5	36790	(166/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/11 21:52
S10 6	128241	(52/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/11 21:52
S10 7	11	S103 and (S104 or S105 or S106)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:53
S10 8	14	S100 and (S104 or S105 or S106)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 21:54
S10 9	48	("2025948"   "3146828"   "3303882"   "3482634"   "3965986"   "3990903"   "4014174"   "4428424"   "4505751"   "4732213"   "4935060"   "Re32742").PN. OR ("5168928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/11 22:17
S11 0	35	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4732213-\$ or US-4973196-\$ or US-4984933-\$ or US-5368833-\$ or US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5607552-\$ or US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$ or US-5168928-\$ or US-4901797-\$ or US-4505751-\$). did. or (EP-530600-\$ or WO-34412-\$).did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/11 22:19
S11 1	12	s near2 value and S110	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/11 22:32
S11 2	1300	silicate and silica and sol and (inject\$3) and (leak\$3 or porous or porosity or seal\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/11 22:32

## EAST Search History

S11 3	15	s near2 value and S112	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/11 22:33
S11 4	13	S113 not S111	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/11 22:33
S11 5	100	("5512096" "5330751" "5356612" "5352277" "6333054" "6358911" "6375735" "6381986" "6433102" "4432798" "4267167" "4624898" "4272409" "4257874" "4921692" "5017362" "4627977" "4806342" "4808400" "4869898" "4921693" "5626923" "6020415" "6113885" "4338048" "4325658" "4902442" "6423329" "5762829" "6110439" "4479824" "4436868" "5185206" "5221497" "5226930" "5355954" "5398758" "5426136" "5605950" "5610221" "6262147" "6319557" "6335061" "6399270" "6403526" "6432191" "6440340" "6440569" "6638354" "6793729").pn. ("4786618" "4769477" "4849539" "4889778" "4112032" "4389233" "4436542" "4830108" "4848465" "4901797" "4927673" "5022920" "5948535" "6399021" "5396749" "4379196" "4304686" "4383057" "6399557" "6436176" "4411889" "4454110" "4563351" "4918903" "5834572" "4144194" "4072019" "5209947" "5257664" "5304242" "5358565" "5635196" "5861110" "6294186" "6660694" "4530722" "4602667" "5021094" "5968246" "4900359" "5569785" "4332852" "4442175" "4590064" "4840789" "4853214" "4868142" "4880619" "5202112" "5234673").pn.	USPAT	OR	ON	2004/12/13 16:56



## EAST Search History

S11 6	41	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4505751-\$ or US-4732213-\$ or US-4901797-\$ or US-4973196-\$ or US-4984933-\$ or US-5168928-\$ or US-5368833-\$ or US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5607552-\$ or US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$). did. or (US-6660694-\$ or US-5358565-\$ or US-5355954-\$ or US-4900359-\$ or US-4325658-\$ or US-4112032-\$).did. or (EP-530600-\$ or WO-34412-\$).did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$). did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/13 17:34
S11 7	14	S116 and silicate near5 (sodium or alkali or metal) same (colloidal or sol) and (porous or seal\$4 or porosity or fracture or leak\$4)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/13 17:37
S11 8	14	S116 and silicate with (sodium or alkali or metal) same (colloidal or sol) and (porous or seal\$4 or porosity or fracture or leak\$4)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/13 17:38
S11 9	1	("0369395").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/12/14 16:52
S12 0	12	"369395"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/14 16:52
S12 1	0	("6857824").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:21
S12 2	2	("6764543").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:20

## EAST Search History

S12 3	2	("20030103814").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:24
S12 4	34	peter near2 greenwood.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 05:24
S12 5	7	S124 and (underground or subterranean or cavity or leaking)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 05:40
S12 6	2	("5396749").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:31
S12 7	1	("0530600").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 06:03
S12 8	3	("4102400").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:36
S12 9	2	("4687373").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:36
S13 0	2	("5368833").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:40
S13 1	2	("5368833").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:54
S13 2	2	("4642137").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 05:55
S13 3	0	("0495336").PN.	EPO; JPO; DERWENT	OR	OFF	2005/02/07 06:03
S13 4	12	ulrich near2 hense.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 06:08

## EAST Search History

S13 5	0	woellner near2 werke.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 06:11
S13 6	9	heiberger near2 franz.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 07:29
S13 7	9	("2630410" "4102400" "4687373" "5194087" "5368833" "5396749" "5569323" "5836390" "6008275").PN.	USPAT	OR	ON	2005/02/07 06:19
S13 8	48	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4112032-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4325658-\$ or US-4505751-\$ or US-4732213-\$ or US-4900359-\$ or US-4901797-\$ or US-4973196-\$ or US-4984933-\$ or US-5168928-\$ or US-5355954-\$ or US-5358565-\$ or US-5368833-\$ or US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5607552-\$). did. or (US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$ or US-6660694-\$ or US-6764543-\$ or US-4687373-\$ or US-4102400-\$ or US-4642137-\$ or US-5565026-\$). did. or (EP-530600-\$ or WO-34412-\$ or WO-3033618-\$ or WO-2004018381-\$).did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/02/07 07:35
S13 9	55	silica with sol same "S" adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 07:38

## EAST Search History

S14 0	87	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4112032-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4325658-\$ or US-4505751-\$ or US-4732213-\$ or US-4900359-\$ or US-4901797-\$ or US-4973196-\$ or US-4984933-\$ or US-5168928-\$ or US-5355954-\$ or US-5358565-\$ or US-5368833-\$ or US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5607552-\$). did. or (US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$ or US-6660694-\$ or US-6764543-\$ or US-4687373-\$ or US-4102400-\$ or US-4642137-\$ or US-5565026-\$). did. or (EP-530600-\$ or WO-34412-\$ or WO-3033618-\$ or WO-2004018381-\$).did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/02/07 07:35
S14 1	49	S140 and (sol or agglomerat\$5)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/02/07 07:35
S14 2	14	S141 and silica with sol same "S" adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 07:38

## EAST Search History

S14 3	48	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4102400-\$ or US-4112032-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4325658-\$ or US-4505751-\$ or US-4642137-\$ or US-4687373-\$ or US-4732213-\$ or US-4900359-\$ or US-4901797-\$ or US-4973196-\$ or US-4984933-\$ or US-5168928-\$ or US-5355954-\$ or US-5358565-\$ or US-5368833-\$ or US-5370478-\$). did. or (US-5396749-\$ or US-5398758-\$ or US-5565026-\$ or US-5607552-\$ or US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$ or US-6660694-\$ or US-6764543-\$). did. or (EP-530600-\$ or WO-2004018381-\$ or WO-3033618-\$ or WO-34412-\$). did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$). did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/02/07 08:28
S14 4	0	S143 and benett.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/07 08:27
S14 5	2	("4732213").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/02/07 08:28
S14 6	6048	silicate same colloidal near3 silica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:23
S14 7	1505	S146 and silicate same gel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:23
S14 8	541	S147 and (seal\$4 or leak\$4 or cement or plug\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:25

## EAST Search History

S14 9	360	S148 and (sodium or alkali adj metal or lithium or potassium or organic) near3 silicate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:26
S15 0	180	S149 and silica with sol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:26
S15 1	162	S149 and silica near5 sol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:27
S15 2	49	S151 and silica with silicate with (percent\$4 or ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/08 16:27
S15 3	48	("2109337"   "2646360"   "2705050"   "2875835"   "3168139"   "3180748"   "3499491"   "3557876"   "3618680"   "3701384"   "3887009"   "4123367"   "4328036"   "4384896"   "4385935"   "4410366"   "4732213"   "4775505"   "4781760"   "4818288"   "4883125"   "4933013"   "4935060"   "5016711"   "5020598"   "5058679"   "5086850"   "5149370"   "5209297"   "Re32742").PN. OR ("5398758"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 16:35
S15 4	2	S153 and (colloid\$3 or sol) near5 silica same silicate	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 16:37
S15 5	29	("20040023815"   "3363698"   "3774683"   "3804058"   "4473480"   "5295543"   "5327968"   "5355954"   "5358044"   "5361842"   "5398758"   "5399195"   "5401719"   "5421409"   "5439518"   "5458195"   "5484019"   "5501277"   "5569324"   "5580379"   "5585333"   "5711383"   "5716910"   "5807810"   "5820670"   "5826669"   "5851960"   "6016872").PN. OR ("6889780"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 16:37
S15 6	3	S155 and (colloid\$3 or sol) near5 silica same silicate	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/08 16:38

## EAST Search History

S15 7	49	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4102400-\$ or US-4112032-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4325658-\$ or US-4410405-\$ or US-4505751-\$ or US-4642137-\$ or US-4687373-\$ or US-4732213-\$ or US-4900359-\$ or US-4901797-\$ or US-4973196-\$ or US-4984933-\$ or US-5168928-\$ or US-5355954-\$ or US-5358565-\$ or US-5368833-\$). did. or (US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5565026-\$ or US-5607552-\$ or US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$ or US-6660694-\$ or US-6764543-\$).did. or (EP-530600-\$ or WO-2004018381-\$ or WO-3033618-\$ or WO-34412-\$). did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$). did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/18 21:43
S15 8	79174	silica same (colloid\$4 or sol or nanometer or nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/18 21:44
S15 9	43	S157 and S158	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/18 21:47
S16 0	20	S159 and silicate near5 (alkali or organic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/18 21:47

## EAST Search History

S16 1	49	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-2630410-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-3920578-\$ or US-3965986-\$ or US-4072019-\$ or US-4102400-\$ or US-4112032-\$ or US-4131542-\$ or US-4272409-\$ or US-4298392-\$ or US-4325658-\$ or US-4410405-\$ or US-4505751-\$ or US-4642137-\$ or US-4687373-\$ or US-4732213-\$ or US-4900359-\$ or US-4901797-\$ or US-4973196-\$ or US-4984933-\$ or US-5168928-\$ or US-5355954-\$ or US-5358565-\$ or US-5368833-\$). did. or (US-5370478-\$ or US-5396749-\$ or US-5398758-\$ or US-5565026-\$ or US-5607552-\$ or US-5795104-\$ or US-5836390-\$ or US-6060523-\$ or US-6372805-\$ or US-6379500-\$ or US-6660694-\$ or US-6764543-\$).did. or (EP-530600-\$ or WO-2004018381-\$ or WO-3033618-\$ or WO-34412-\$). did. or (JP-06329903-\$ or DE-19856729-\$ or US-6372089-\$). did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/18 23:04
S16 2	13005	silica adj sol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/23 20:39
S16 3	7851	"s" adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/23 20:40
S16 4	46	S162 with S163	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/23 20:40



## EAST Search History

S16 5	49	(US-20010004927-\$ or US-20020147240-\$ or US-20030161692-\$ or US-20030190276-\$).did. or (US-4984933-\$ or US-2727008-\$ or US-5368833-\$ or US-4272409-\$ or US-5370478-\$ or US-5398758-\$ or US-5607552-\$ or US-3920578-\$ or US-5795104-\$ or US-6060523-\$ or US-6379500-\$ or US-3374180-\$ or US-6372805-\$ or US-2630410-\$ or US-5836390-\$ or US-2892797-\$ or US-5396749-\$ or US-4131542-\$ or US-4973196-\$ or US-4072019-\$ or US-5168928-\$ or US-4901797-\$ or US-4732213-\$ or US-3965986-\$ or US-4687373-\$ or US-4102400-\$). did. or (US-6764543-\$ or US-4298392-\$ or US-4505751-\$ or US-6660694-\$ or US-4900359-\$ or US-4325658-\$ or US-4112032-\$ or US-5358565-\$ or US-4642137-\$ or US-5565026-\$ or US-5355954-\$ or US-4410405-\$).did. or (WO-3033618-\$ or EP-530600-\$ or WO-34412-\$ or WO-2004018381-\$).did. or (US-6372089-\$ or DE-19856729-\$ or JP-06329903-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/03/23 21:02
S16 6	32	S165 and sol	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/03/23 21:03
S16 7	31	silica with sol and greenwood.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/02 15:15
S16 8	12	S167 and (wt or weight) with (percentage or percent) with (colloid\$4 or sol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/02 15:16

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27	(US-20020147240-\$ or US-20010004927-\$ or US-20030103814-\$ or US-20030161692-\$).did. or (US-5370478-\$ or US-6060523-\$ or US-2892797-\$ or US-6379500-\$ or US-5396749-\$ or US-5607552-\$ or US-4973196-\$ or US-4131542-\$ or US-2727008-\$ or US-4272409-\$ or US-2630410-\$ or US-5836390-\$ or US-6372805-\$ or US-5368833-\$ or US-3920578-\$ or US-3374180-\$ or US-4072019-\$ or US-4732213-\$ or US-5398758-\$ or US-3965986-\$ or US-4129447-\$ or US-6632489-\$). did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/08/02 18:17
S1	252	((((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/31 13:14
S2	2	(((((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica) and silica near5 sol) and seal\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:44
S3	29	(((((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica) and silica near5 sol	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:46
S4	6	("3586624"   "3705851"   "4519338"   "4565468"   "4696599"   "4768897").PN.	USPAT	OR	ON	2003/01/28 23:46
S5	17	"4973196".URPN.	USPAT	OR	ON	2003/01/28 23:46
S6	23	((("3586624"   "3705851"   "4519338"   "4565468"   "4696599"   "4768897").PN.) or "4973196".URPN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:46
S7	3	((("3586624"   "3705851"   "4519338"   "4565468"   "4696599"   "4768897").PN.) or "4973196".URPN.) and silica	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:48
S8	1157	(silica adj sol) and seal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 23:49
S9	1	((silica adj sol) and seal\$4) and s adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/28 23:56

## EAST Search History

S10	11	((("2630410") or ("5368833") or ("5396749") or ("5836390"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/28 23:54
S11	11	("2727008"   "2754270"   "2892797"   "3374180"   "3922393"   "4272409"   "4385961"   "4388150"   "4695396"   "4946557"   "5066420").PN.	USPAT	OR	ON	2003/01/28 23:54
S12	46	(silica adj sol) and s adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:43
S13	209	(silica adj sol) and gelling near5 agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:43
S14	984	(405/263).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:42
S15	622	(405/270).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:42
S16	1002	(405/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:43
S17	1067	(405/266).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2003/01/28 23:43
S18	3446	((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/01/28 23:43
S19	9750	silica adj sol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/01/29 00:12
S20	9	(US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-6379500-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did.	US-PGPUB; USPAT	OR	OFF	2003/01/29 00:13

## EAST Search History

S21	9	(US-4973196-\$ or US-2630410-\$ or US-5368833-\$ or US-5396749-\$ or US-5836390-\$ or US-3920578-\$ or US-6379500-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did.	US-PGPUB; USPAT	OR	OFF	2003/04/08 13:43
S22	252	((405/263).CCLS.) or ((405/270).CCLS.) or ((405/267).CCLS.) or ((405/266).CCLS.)) and silica	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/04/08 13:43
S23	49	(silica adj sol) and s adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:44
S24	213	(silica adj sol) and gelling near5 agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:44
S25	30	((silica adj sol) and s adj value ) and gel\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 13:45
S26	44	((silica adj sol) and s adj value ) and (chloride or nitrate or sulfate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:07
S27	74892	SiO2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 15:07
S28	81615	Silicon adj dioxide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 15:07
S29	387122	silica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 15:07
S30	504231	SiO2 or (Silicon adj dioxide) or silica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 15:07
S31	667	(SiO2 or (Silicon adj dioxide) or silica) and S adj value	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 15:08
S32	129	((SiO2 or (Silicon adj dioxide) or silica) and S adj value) and (S adj value) near5 (greater or over or more or higher)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:02

## EAST Search History

S33	99	((SiO2 or (Silicon adj dioxide) or silica) and S adj value) and (S adj value) near5 (greater or over or more or higher)) not (((silica adj sol) and s adj value ) and (chloride or nitrate or sulfate))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:01
S34	29022	colloidal near3 silica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:07
S35	29	(colloidal near3 silica) same (S adj value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:03
S36	8	((colloidal near3 silica) same (S adj value) ) not (((SiO2 or (Silicon adj dioxide) or silica) and S adj value) and (S adj value) near5 (greater or over or more or higher))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:03
S37	16160	(colloidal near3 silica) and (chloride or nitrate or sulfate or gell\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:44
S38	1490	((colloidal near3 silica) and (chloride or nitrate or sulfate or gell\$3)) and (seal or sealant)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:45
S39	1602994	((colloidal near3 silica) and (chloride or nitrate or sulfate or gell\$3)) and (seal or sealant)) and (seal or sealant) game (rock or soil or ground or earth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 16:46
S40	46	((colloidal near3 silica) and (chloride or nitrate or sulfate or gell\$3)) and (seal or sealant)) and (seal or sealant) same (rock or soil or ground or earth)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:27
S41	7	"6060523"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:46
S42	7	"5836390"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:47
S43	6	("3603099"   "3638433"   "3865600"   "4072019"   "4543016"   "5403125").PN.	USPAT	OR	ON	2003/04/08 17:46

## EAST Search History

S44	0	((("3603099"   "3638433"   "3865600"   "4072019"   "4543016"   "5403125").PN.) and SiO2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:48
S45	2	((("3603099"   "3638433"   "3865600"   "4072019"   "4543016"   "5403125").PN.) and silic\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/04/08 17:52
S46	14	(US-4973196-\$ or US-2630410-\$ or US-5368833-\$ or US-5396749-\$ or US-5836390-\$ or US-3920578-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/04/08 20:01
S47	11	("2727008"   "2754270"   "2892797"   "3374180"   "3922393"   "4272409"   "4385961"   "4388150"   "4695396"   "4946557"   "5066420").PN.	USPAT	OR	ON	2003/04/08 19:43
S48	475	(516/78,79,82).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/04/08 20:00
S49	18	(US-4973196-\$ or US-4131542-\$ or US-6372805-\$ or US-5396749-\$ or US-3920578-\$ or US-5836390-\$ or US-5368833-\$ or US-2630410-\$ or US-2892797-\$ or US-3374180-\$ or US-4272409-\$ or US-6379500-\$ or US-2727008-\$ or US-6060523-\$ or US-4072019-\$).did. or (US-20010004927-\$ or US-20020147240-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/27 23:01
S50	1	("0530600").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/27 23:02
S51	5	"0530600"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:32
S52	34485	colloid\$3 with silica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:33

## EAST Search History

S53	27936	silica with dispers\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:33
S54	7408	(colloid\$3 with silica) and (silica with dispers\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:33
S55	290	((colloid\$3 with silica) and (silica with dispers\$4)) and Iler	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:33
S56	96	((colloid\$3 with silica) and (silica with dispers\$4)) and Dalton	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:34
S57	30	((((colloid\$3 with silica) and (silica with dispers\$4)) and Iler) and ((colloid\$3 with silica) and (silica with dispers\$4)) and Dalton)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:34
S58	20	(((((colloid\$3 with silica) and (silica with dispers\$4)) and Iler) and ((colloid\$3 with silica) and (silica with dispers\$4)) and Dalton)) and weight with percent\$5.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:53
S59	21	"4732213"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:56
S60	5	("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.	USPAT	OR	ON	2003/10/27 23:55
S61	16	"4732213".URPN.	USPAT	OR	ON	2003/10/27 23:55
S62	21	((("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.) or "4732213".URPN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:56
S63	18	((("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.) or "4732213".URPN.) and (silica)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/27 23:56
S64	9	(((((("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.) or "4732213".URPN.) and (silica)) and silica with (sol or dispers\$4 or aggregat\$4 or value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 00:21

## EAST Search History

S65	20	(US-4973196-\$ or US-4131542-\$ or US-6372805-\$ or US-5396749-\$ or US-3920578-\$ or US-5836390-\$ or US-5368833-\$ or US-2630410-\$ or US-2892797-\$ or US-3374180-\$ or US-4272409-\$ or US-6379500-\$ or US-2727008-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20010004927-\$ or US-20020147240-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 00:19
S66	2	("5370478").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/28 00:21
S67	9	("3318380"   "3375872"   "3722593"   "4615643"   "4637462"   "4705431"   "4732213"   "4790688"   "5002431").PN.	USPAT	OR	ON	2003/10/28 00:20
S68	21	"5002431".URPN.	USPAT	OR	ON	2003/10/28 00:20
S69	30	((("3318380"   "3375872"   "3722593"   "4615643"   "4637462"   "4705431"   "4732213"   "4790688"   "5002431").PN.) or "5002431".URPN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 00:21
S70	5	((("3318380"   "3375872"   "3722593"   "4615643"   "4637462"   "4705431"   "4732213"   "4790688"   "5002431").PN.) or "5002431".URPN.) and silica with (sol or dispers\$4 or aggregat\$4 or value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 00:21
S71	20	(US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 22:00



## EAST Search History

S72	24	("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.	USPAT	OR	ON	2003/10/28 21:34
S73	1	((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) and (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 21:58
S74	43	((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 21:58

## EAST Search History

S75	4	(((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)) and inject\$4 same (soil or rock or ground or earth)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 22:46
S76	2	("4732213").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/28 22:13
S77	5	("3701384"   "3759326"   "3817330"   "3868999"   "3965986").PN.	USPAT	OR	ON	2003/10/28 22:00

## EAST Search History

S78	16	(((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)) and specific adj surface adj area	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/10/28 22:08
S79	0	(((US-4973196-\$ or US-3920578-\$ or US-5836390-\$ or US-5396749-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-2892797-\$ or US-3374180-\$ or US-2727008-\$ or US-6379500-\$ or US-6372805-\$ or US-4131542-\$ or US-6060523-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$).did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.) or (("2601352"   "3902915"   "3916058"   "3946061"   "4169337"   "4374937"   "4388150"   "4462188"   "4513158"   "4588421"   "4961825"   "4980025"   "5137639"   "5176891"   "5368833"   "5407480"   "5603805"   "5607552"   "5846384"   "5858174"   "6071614"   "6083997"   "6103064"   "6203711").PN.)) and (seal\$4 or inject\$4) same (rock)	US-PGPUB; USPAT; DERWENT	OR	OFF	2003/10/28 22:46
S80	2	("4732213").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/31 14:25

## EAST Search History

S81	2	("6464005").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/10/31 14:25
S82	23	(US-5396749-\$ or US-3920578-\$ or US-5836390-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-4131542-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-6060523-\$ or US-6379500-\$ or US-6372805-\$ or US-5607552-\$ or US-4973196-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$ or US-4732213-\$ or US-3965986-\$). did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2004/06/24 00:11
S83	0	("(alkalaiadjmetaladjsilicateororgani cadjsilicate)and(colloid\$4near5silica )and(gellingorgel)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/06/24 00:13
S84	86	(alkalai adj metal adj silicate or organic adj silicate) and (colloid\$4 near5 silica)and(gelling or gel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:27
S85	98	ralph near3 iler.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:28
S86	0	(ralph near3 iler.in.) and silica and silicate and (gel or gelling) near5 agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:28
S87	4190	silica and silicate and (gel or gelling) near5 agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:29
S88	1044	(silica and silicate and (gel or gelling) near5 agent) and sol	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:29
S89	1818	(silica and silicate and (gel or gelling) near5 agent) and colloid\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:29

## EAST Search History

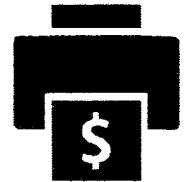
S90	621	((silica and silicate and (gel or gelling) near5 agent) and colloid\$3) and ((organic adj silicate) or (alkali adj metal or sodium or litium) adj silicate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:32
S91	621	((silica and silicate and (gel or gelling) near5 agent) and colloid\$3) and ((organic adj silicate) or (alkali adj metal or sodium or litium) adj silicate)) and (gel or gelling)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:33
S92	0	((silica and silicate and (gel or gelling) near5 agent) and colloid\$3) and ((organic adj silicate) or (alkali adj metal or sodium or litium) adj silicate)) and (ratio or percent) with silica with silicate) and ((US-5396749-\$ or US-3920578-\$ or US-5836390-\$ or US-5368833-\$ or US-2630410-\$ or US-4272409-\$ or US-4131542-\$ or US-2727008-\$ or US-2892797-\$ or US-3374180-\$ or US-6060523-\$ or US-6379500-\$ or US-6372805-\$ or US-5607552-\$ or US-4973196-\$ or US-4072019-\$ or US-5398758-\$ or US-5370478-\$ or US-4732213-\$ or US-3965986-\$). did. or (US-20020147240-\$ or US-20010004927-\$).did. or (US-6372089-\$).did.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:33
S93	6	((silica and silicate and (gel or gelling) near5 agent) and colloid\$3) and ((organic adj silicate) or (alkali adj metal or sodium or litium) adj silicate)) and (ratio or percent) with silica with silicate) and (ratio or percent) with silica with silicate with ("2:1" or "100:1")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:37
S94	0	2004018381A1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:37
S95	0	10/644488	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:38
S96	0	"10644488"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:38

## EAST Search History

S97	98	((silica and silicate and (gel or gelling) near5 agent) and colloid\$3) and ((organic adj silicate) or (alkali adj metal or sodium or lithium) adj silicate)) and (ratio or percent) with silica with silicate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:42
S98	3	"S" adj value and (((silica and silicate and (gel or gelling) near5 agent) and colloid\$3) and ((organic adj silicate) or (alkali adj metal or sodium or lithium) adj silicate)) and (gel or gelling))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/06/24 00:42

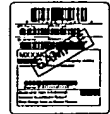
# Choose the perfect printer with your new Mac and receive a rebate of up to \$100 via mail-in claim.

Follow these steps to claim your rebate. For faster processing, please submit your claim online at [www.apple.com/promo](http://www.apple.com/promo).



1. **Buy an Apple computer and a qualifying printer from Apple between April 18, 2006, and July 17, 2006.** The computer and printer purchases must appear on the same sales receipt. Your purchase is subject to sales tax. See complete terms and conditions.
2. **Fill out the coupon OR submit online at [www.apple.com/promo](http://www.apple.com/promo).** Only one claim will be honored per household. You may claim up to five (5) qualifying Mac and printer combinations if you purchased them in a single order.
3. **Submit your sales receipt.**

Orders placed online through the Apple Store or through Apple Telesales may ship in pieces; therefore, a single order may generate more than one receipt. Please submit all receipts from the same order with your claim.



4. **Cut out the UPC bar code labels on the boxes of both the computer and the printer.** Be sure to cut out the whole label, including the part number, the serial number, the product description, the bar code, and all the layers of cardboard. **Peeled-off UPC labels will not be accepted.**
5. **Mail in the claim, the receipt, and the UPC labels.** Send the completed coupon, **postmarked within 30 days of your purchase date**, and all required proof-of-purchase documentation to: Perfect Companion, P.O. Box 1531, South Bend, IN 46634-1531.

First name  MI  Last name

Address

City  State  Zip

Phone number  Email

Store name where purchase made

Store address

I agree to the terms and conditions listed on page two. All information is complete and accurate. (signature)

1. Apple computer model number <input type="text"/>	Printer model number <input type="text"/>
Apple computer serial number <input type="text"/>	Printer serial number <input type="text"/>
2. Apple computer model number <input type="text"/>	Printer model number <input type="text"/>
Apple computer serial number <input type="text"/>	Printer serial number <input type="text"/>
3. Apple computer model number <input type="text"/>	Printer model number <input type="text"/>
Apple computer serial number <input type="text"/>	Printer serial number <input type="text"/>
4. Apple computer model number <input type="text"/>	Printer model number <input type="text"/>
Apple computer serial number <input type="text"/>	Printer serial number <input type="text"/>
5. Apple computer model number <input type="text"/>	Printer model number <input type="text"/>
Apple computer serial number <input type="text"/>	Printer serial number <input type="text"/>

## Qualifying Apple Products

All Apple computers shipping during the promotion dates qualify for this rebate offer.

## Qualifying HP Printers

HP DeskJet 5940  
HP PSC1510 All-in-One  
HP PSC1610 All-in-One  
HP DeskJet 6940  
HP Photosmart 8050

## HP Printers continued

HP DeskJet 6980  
HP PSC2575 All-in-One  
HP PSC3210 All-in-One  
HP Photosmart 8750  
HP Photosmart 385  
HP Photosmart C3180  
HP Photosmart C4180

## Qualifying Canon Printers

Canon iP4200 Photo Printer  
Canon IP5200 Photo Printer  
Canon iP6220D Photo Printer  
Canon iP6600D Photo Printer  
Canon PIXMA MP170  
Canon PIXMA MP450 Photo All-in-One  
Canon PIXMA MP500 Photo All-in-One  
Canon i9900 Photo Printer  
Canon Selphy DS810

## Qualifying Epson Printers

Epson Stylus CX7800  
Epson PictureMate Deluxe  
Epson Stylus RX620  
Epson R1800 Photo Printer  
Epson R2400 Photo Printer  
Epson Stylus CX5800F

**Customer survey.** On behalf of Apple, we invite you to participate in the following survey of our customers. Your opinion is very important to us. All information that you provide will be strictly confidential and will be used only for market research purposes. Survey results are viewed in the aggregate; individual responses are not identified.

If Apple had not offered a printer rebate, what would you have done? (Please select one response): Purchased a Mac from another retailer. ☐ Purchased a Mac from Apple without buying a printer. ☐ Purchased a Mac and a printer from Apple anyway. ☐ Purchased a PC from another manufacturer. ☐ Made no computer purchase. ☐

**Stay informed.** We'll keep you up to date with Apple news, software updates, special offers, and information about related products and services from other companies.

If you would rather not receive this information, please check this box. ☐

**You're in control.** You always have access to your personal information and contact preferences. To review and update your personal contact information, visit [www.apple.com/contact/myinfo](http://www.apple.com/contact/myinfo). To learn how Apple safeguards your personal information, please review the Apple Customer Privacy Policy at [www.apple.com/legal/privacy](http://www.apple.com/legal/privacy).

## Terms and Conditions

You must acquire qualifying products between April 18, 2006, and July 17, 2006. Purchases must be made at the online Apple Store, a retail Apple Store, or through Apple Telesales located in the 50 United States or the District of Columbia. This offer is for end customers only. Reseller purchases do not qualify.

**PRODUCT ELIGIBILITY:** All Apple computers shipping during the promotion dates. **HP Printers:** HP DeskJet 5940, HP PSC1510 All-in-One, HP PSC1610 All-in-One, HP DeskJet 6940, HP Photosmart 8050, HP DeskJet 6980, HP PSC2575 All-in-One, HP PSC3210 All-in-One, HP Photosmart 8750, HP Photosmart 385, HP Photosmart C3180, HP Photosmart C4180. **Canon Printers:** Canon iP4200 Photo Printer, Canon iP5200 Photo Printer, Canon iP6220D Photo Printer, Canon iP6600D Photo Printer, Canon PIXMA MP170, Canon PIXMA MP450 Photo All-in-One, Canon PIXMA MP500 Photo All-in-One, Canon i9900 Photo Printer, Canon Selphy DS810. **Epson Printers:** Epson Stylus CX7800, Epson PictureMate Deluxe, Epson Stylus RX620, Epson R1800 Photo Printer, Epson R2400 Photo Printer, Epson Stylus CX5800F.

**PURCHASE RESTRICTIONS:** All Apple computer(s) and qualifying printer(s) must be purchased on the same invoice or sales receipt. This offer is valid only while supplies last.

**REBATE SCHEDULE:** Only one coupon will be honored per address. Customers may claim up to five (5) rebates on one coupon based on the number of Apple computers and printers purchased. The mail-in rebate is good for up to \$100 off a qualified purchase. Rebate amount is not to exceed the sales price of the printer excluding sales tax.

**CLAIM PROCEDURES:** You may submit a claim online at [www.apple.com/promo](http://www.apple.com/promo) OR submit an original rebate coupon via mail. Rebate coupons may not be altered. Duplicate or incomplete coupons will not be honored. Rebate is limited to one per household. Mail the envelope enclosing your completed original coupon and proof of purchase. **The envelope must be postmarked within 30 days of your purchase date.** Late submissions are not valid. Send to: Perfect Companion, P.O. Box 1531, South Bend, IN 46634-1531.

**PROOF OF PURCHASE:** Submit proof of purchase, consisting of itemized, dated sales receipt(s) showing all products purchased, the selling entity's name and address, the serial numbers of the qualifying products, and the prices paid for the qualifying products. Order acknowledgments, packing slips, and purchase order copies do not qualify. Provide the UPC bar code labels cut from all qualifying product boxes. The UPC bar code labels must be cut from the product packaging so that the cardboard backing is completely removed from the packaging. The UPC bar code labels must include part numbers with bar codes, serial numbers with bar codes, and product descriptions. For Canon printers, the UPC must be the Primary proof of Purchase, Secondary Proof of Purchase UPCs are not valid for this promotion.

**PROCEDURES RELATED TO SHIPPING AND RETURNS:** Products ordered together but shipped separately qualify if sufficient supporting documentation is provided. In the event that a qualifying product is ordered during the promotion dates and shipped after the end date of the promotion, Apple offers an additional fifteen (15) day grace period for postmark of the claim provided that you submit proof of order acknowledgment demonstrating that the order was placed during the promotion period. If a product required for promotion redemption is returned in exchange for another qualifying product required for redemption, Apple offers an additional fifteen (15) day grace period from the original purchase date for postmark of the claim provided you submit adequate documentation to support the exchange transaction.

Apple and its agents are not responsible for incomplete, illegible, late, lost, mutilated, misdirected, or postage-due rebate requests. Providing false information disqualifies this rebate request. Apple reserves the right to deny and/or disregard any rebate request deemed to be false or fraudulent. Allow eight (8) weeks from the date your claim is processed to receive your rebate. Checks must be mailed to an address within the United States or the District of Columbia. This offer is void where prohibited or restricted by law. This offer is not valid in conjunction with any other Apple, HP, Canon, or Epson promotion or rebate offer on printers, except as specifically permitted by the terms and conditions of such other offer or promotion. This offer may be combined with other Apple promotions that do not involve printers. If you are submitting your original receipt and Apple computer UPC bar code labels as part of a claim for another Apple promotion, you may provide copies of these materials with this claim provided you reference the promotion and the claim that contains the original materials. Apple is not responsible for printing errors. You should keep copies of these Terms and Conditions, your completed coupon, your proof of purchase, and the UPC bar code labels for your records. Submissions will not be returned and become the property of Apple and HP, Canon, or Epson (depending on the printer model purchased). Apple, HP, Canon, and Epson may use your information in accordance with the privacy policies on their respective websites. Apple reserves the right to change without notice the Terms and Conditions, modify the offer, or end the offer at any time without notice. **For more information or to learn the status of your rebate request, please call 888-877-6717 or go to [www.apple.com/promo/rebate/status.html](http://www.apple.com/promo/rebate/status.html)**